

PATENT  
450104-05628

**IN THE CLAIMS:**

Please cancel claims 16-28 without prejudice, resulting in the following listing of the claims. This listing replaces and supersedes all prior claim listings.

1-14. (Canceled)

15. (Previously Presented) A learning/thinking machine based on a structured knowledge comprising:

means for extracting a semantic relation from collected information in accordance with a plurality of rules;

means for analyzing information based on the extracted semantic relation and in which a link indicates a semantic relation between a node and a node for indicating meaning so as to sufficiently express a semantic means, said node and said link have structure so as to exchange their roles and a knowledge expressed by said node and said link is stored;

means for generating new information according to predetermined inference by verifying a knowledge based in which knowledge structured based on said semantic relation is stored in response to an inquiry or request with a unit in which a relating node is stored;

means for evaluating generated new information;

means for judging sequencing of evaluated results;

means for deciding an optimal solution based on a judged result;

an input unit for receiving an inquiry or request from the outside; and

verifying means for verifying said inquiry or request from the outside with said knowledge base, wherein if it is determined by the verified result of said verifying means that said inquiry or request are completely coincident with said knowledge base, then understanding

PATENT  
450104-05628

of such coincidence is transmitted to a central unit, if it is determined by the verified result of said verifying means that said inquiry or request are partly coincident with said knowledge base, then said knowledge based and said unit in which said relating node is stored are verified and said information generating means supplements insufficient information and generates information so that knowledge structured by said node and said link based on said semantic relation has new semantic content and new semantic relation.

16-28 (Canceled)